

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A video-information encoding apparatus for encoding a video signal, comprising:

first means for applying a predetermined transformation to the video signal to generate a transformed video signal;

second means for applying an arithmetic coding to the transformed video signal; and
means for counting a number of pieces of input data and output data in/from said second means;

in a case in which the counted number of pieces of the input data or the output data exceeds a preset threshold value in a prescribed unit of encoding, the data is not taken as data to be encoded, the means for counting resets the counted number of pieces to zero, and an encoding process differing from that applied by said first means is applied to the video signal.

Claim 2 (Original): The video-information encoding apparatus according to claim 1, wherein said encoding process differing from that applied by said first means applies a different encoding parameter to the video signal in the first means.

Claim 3 (Original): The video-information encoding apparatus according to claim 1, wherein said encoding process differing from that applied by said first means is an uncompress process to the video signal in the first means.

Claim 4 (Original): The video-information encoding apparatus according to claim 1, wherein said prescribed unit of encoding is a macroblock.

Claim 5 (Original): The video-information encoding apparatus according to claim 1, wherein said prescribed unit of encoding is a slice.

Claim 6 (Currently Amended): A video-information encoding apparatus for encoding a video signal, comprising:

first means for applying a predetermined transformation to the video signal to generate a transformed video signal;

second means for applying an entropy coding to the transformed video signal; and

means for counting a number of pieces of output data from said second means;

in a case in which the counted number of pieces of the output data exceeds a preset threshold value in a prescribed unit of encoding, the data is not taken as data to be encoded, the means for counting resets the counted number of pieces to zero, and the video-information encoding apparatus processes the video signal as an uncompressed data.

Claim 7 (Original): The video-information encoding apparatus according to claim 6, wherein said prescribed unit of encoding is a macroblock.

Claim 8 (Currently Amended): A video-information decoding apparatus for decoding a compressed video signal, comprising:

first means for applying an arithmetic decoding to the compressed video signal to generate an arithmetic decoded signal;

second means for applying a predetermined transformation to the arithmetic decoded signal; and

means for counting a number of pieces of input data and output data in/from said first decoding means;

in a case in which the counted number of pieces of the input data or the output data exceeds a preset threshold value in a prescribed unit of encoding, the data is not taken as data to be decoded, the means for counting resets the counted number of pieces to zero, and the apparatus performs a predefined error processing.

Claim 9 (Original): The video-information decoding apparatus according to claim 8, wherein said prescribed unit of encoding is a macroblock.

Claim 10 (Currently Amended): A video-information encoding method for encoding a video signal, comprising:

~~first coding~~ applying a predetermined transformation using a processor to the video signal to generate a transformed video signal;

~~second coding~~ applying an arithmetic coding to the transformed video signal; and
counting a number of pieces of input data and output data in/from said second coding;

in a case in which the counted number of pieces of the input data or the output data exceeds a preset threshold value in a prescribed unit of encoding, the data is not taken as data to be encoded, the counted number of pieces is reset to zero, and an encoding process differing from said predetermined transformation ~~first coding~~ is applied to the video signal.

Claim 11 (Currently Amended): A video-information encoding method for encoding a video signal, comprising:

~~first coding~~ applying a predetermined transformation using a processor to the video signal[[,]] to generate a transformed video signal;

~~second coding~~ applying an entropy coding to the transformed video signal; and
counting a number of pieces of output data from said second coding means;

in a case in which the counted number of pieces of the output data exceeds a preset threshold value in a prescribed unit of encoding, the data is not taken as data to be encoded, the counted number of pieces is reset to zero, and the processor ~~video information encoding apparatus~~ processes the video signal as an uncompressed data.

Claim 12 (Currently Amended): A video-information decoding method for decoding a compressed video signal, comprising:

~~first decoding~~ applying an arithmetic decoding to the compressed video signal using a processor to generate an arithmetic decoded signal;

~~second decoding~~ applying a predetermined transformation to the arithmetic decoded signal; and

counting a number of pieces of input data and output data in/from said first decoding;

in a case in which the counted number of pieces of the input data or the output data exceeds a preset threshold value in a prescribed unit of encoding, the data is not taken as data to be decoded, the counted number of pieces is reset to zero, and the processor performs a predefined error processing.

Claim 13 (Currently Amended): A video-information encoding apparatus for encoding a video signal, comprising:

a first coder configured to apply ~~for applying~~ a predetermined transformation to the video signal to generate a transformed video signal;

a second coder configured to apply ~~for applying~~ an arithmetic coding to the transformed video signal; and

a counter configured to count ~~for counting~~ a number of pieces of input data and output data in/from said second coder;

in a case in which the counted number of pieces of the input data or the output data exceeds a preset threshold value in a prescribed unit of encoding, the data is not taken as data to be encoded, the counter resets the counted number of pieces to zero, and an encoding process differing from that applied by said first coder is applied to the video signal.

Claim 14 (Original): The video-information encoding apparatus according to claim 13, wherein said encoding process differing from that applied by said first coder applies a different encoding parameter to the video signal in the first coder.

Claim 15 (Original): The video-information encoding apparatus according to claim 13, wherein said encoding process differing from that applied by said first coder is an uncompress process to the video signal in the first coder.

Claim 16 (Original): The video-information encoding apparatus according to claim 13, wherein said prescribed unit of encoding is a macroblock.

Claim 17 (Original): The video-information encoding apparatus according to claim 13, wherein said prescribed unit of encoding is a slice.

Claim 18 (Currently Amended): A video-information encoding apparatus for encoding a video signal, comprising:

a first coder configured to apply ~~for applying~~ a predetermined transformation to the video signal to generate a transformed video signal;

a second coder configured to apply ~~for applying~~ an entropy coding to the transformed video signal; and

a counter configured to count ~~for counting~~ a number of pieces of output data from said second coder;

in a case in which the counted number of pieces of the output data exceeds a preset threshold value in a prescribed unit of encoding, the data is not taken as data to be encoded, the counter resets the counted number of pieces to zero, and the video-information encoding apparatus processes the video signal as an uncompressed data.

Claim 19 (Original): The video-information encoding apparatus according to claim 18, wherein said prescribed unit of encoding is a macroblock.

Claim 20 (Currently Amended): A video-information decoding apparatus for decoding a compressed video signal, comprising:

a first decoder configured to apply ~~for applying~~ an arithmetic decoding to the compressed video signal to generate an arithmetic decoded signal;

a second decoder configured to apply ~~for applying~~ a predetermined transformation to the arithmetic decoded signal; and

a counter configured to count ~~for counting~~ a number of pieces of input data and output data in/from said first decoder;

in a case in which the counted number of pieces of the input data or the output data exceeds a preset threshold value in a prescribed unit of encoding, the data is not taken as data to be decoded, the counter resets the counted number of pieces to zero, and performs a predefined error processing.

Claim 21 (Original): The video-information decoding apparatus according to claim 20, wherein said prescribed unit of encoding is a macroblock.